

Marine Corps Firing Range



- Initially constructed in 1940
- Metals were released into surface soils from spent small caliber ammunition and bullet fragments
- Final Action Memorandum issued September 16, 2003
- Removal Action begun in August 2003



300 0 300 Feet

SOURCE: AERIAL PHOTO FROM TETRA TECH

NAVAL FACILITIES ENGINEERING COMMAND
SOUTHWEST DIVISION
SAN DIEGO, CA

FIGURE 2-2
SITE LOCATION MAP
MARINE CORPS FIRING RANGE
FORMER MARE ISLAND NAVAL SHIPYARD
VALLEJO, CA












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SOUTH PISTOL RANGE	
ZS1	FLAT
ZS2	FACE OF IMPACT BERM
ZS3	TOP OF IMPACT BERM
ZS4	BACK OF IMPACT BERM
ZS5	FACE OF SOUTHERN SIDE BERM
ZS6	TOP OF SOUTHERN SIDE BERM
ZS7	BACK OF SOUTHERN SIDE BERM
CENTER PISTOL RANGE	
ZC1	FLAT
ZC2	FACE OF IMPACT BERM
ZC3	TOP OF IMPACT BERM
ZC4	BACK OF IMPACT BERM
ZC5	FACE OF SOUTHERN SIDE BERM
ZC6	TOP OF SOUTHERN SIDE BERM
ZC7	BACK OF SOUTHERN SIDE BERM
NORTH CENTER RANGE	
ZN1	FLAT
ZN2	FACE OF IMPACT BERM
ZN3	TOP OF IMPACT BERM
ZN4	BACK OF IMPACT BERM
ZN5	FACE OF SOUTHERN SIDE BERM
ZN6	TOP OF SOUTHERN SIDE BERM
ZN7	BACK OF SOUTHERN SIDE BERM

RIFLE RANGE	
ZR1	BASE OF TARGET AREA
ZR2	FACE OF IMPACT BERM
ZR3	TOP OF IMPACT BERM
ZR4	BACK OF IMPACT BERM
ZR5	FACE OF SOUTHERN DIAGONAL SIDE BERM
ZR6	TOP OF SOUTHERN DIAGONAL SIDE BERM
ZR7	BACK OF SOUTHERN DIAGONAL SIDE BERM
ZR8	FACE OF NORTHERN DIAGONAL SIDE BERM
ZR9	TOP OF NORTHERN DIAGONAL SIDE BERM
ZR10	BACK OF NORTHERN DIAGONAL SIDE BERM
ZR11	FACE OF SOUTHERN SIDE BERM
ZR12	TOP OF SOUTHERN SIDE BERM
ZR13	BACK OF SOUTHERN SIDE BERM
ZR14	FACE OF NORTHERN SIDE BERM
ZR15	TOP OF NORTHERN SIDE BERM
ZR16	BACK OF NORTHERN SIDE BERM
ZR17	200-YARD FIRING LINE TO TARGET
ZR18	200-TO 300- FIRING LINE
ZR19	300-TO 500- FIRING LINE
ZR20	500-TO 600- FIRING LINE

LEGEND

EXCAVATION DEPTH

-  EXCAVATION TO 0.5 FEET
-  EXCAVATION TO 1.0 FEET
-  EXCAVATION TO 1.5 FEET
-  EXCAVATION TO 2.0 FEET
-  EXCAVATION TO 3.0 FEET
-  EXCAVATION TO 3.5 FEET
-  EXCAVATION TO 4.0 FEET
-  EXCAVATION TO 5.0 FEET
-  EXCAVATION TO 6.0 FEET
-  COMPLETE REMOVAL
-  SEGREGATE UPPER 1 FOOT OF SOIL AS POTENTIAL RCRA SOIL AND SOIL BETWEEN 1 AND 2 FT BGS WILL BE SEGREGATED AS POTENTIAL NON-RCRA SOIL. ALL OTHER SOIL TO BE SEGREGATED AS POTENTIAL NON-HAZ SOIL.

OUTFALL REMOVAL AREAS

ZR7
ZR6
ZR5
ZR4
ZR3
ZR2
ZR10
ZR9
ZR8

ZR1
ZR17
200 YARDS
ZR18
300 YARDS
ZR19
500 YARDS
ZR20
ZR16
ZR15
ZR14
ZR13
ZR12
ZR11



150' 0 150' 300'

SCALE: 1" = 300'

SCALE APPROXIMATE 1"=300'

NAVAL FACILITIES ENGINEERING COMMAND
 SOUTHWEST DIVISION
 SAN DIEGO, CA

FIGURE E.2-1
 PLANNED EXCAVATION AREAS
 MARINE CORP FIRING RANGE
 FORMER MARE ISLAND NAVAL SHIPYARD
 VALLEJO, CA

FOSTER WHEELER
 ENVIRONMENTAL CORPORATION